

PERMEABLE REACTOR PLATE AND METHOD

ABSTRACT OF THE DISCLOSURE

5 A reactor plate comprises a substrate with an array of reaction cells and a permeable film covering at least one of the cells to selectively permit transport of a reactant gas into the one cell while preventing transport of a reaction product out of the cell. A method comprises providing a reactor plate comprising a substrate with an array of reaction cells, at one least one cell of the array comprising a cavity and a permeable film cover and conducting a combinatorial high throughput screening (CHTS) method with the reactor plate.